

## POWER SOURCE INPUT DISTRIBUTION TO A POWER SUPPLY

### ABSTRACT OF THE DISCLOSURE

[0031] A single power distribution board having pin coded connectors may be used for both AC and DC power distribution to appropriate AC and/or DC power supplies in an information handling system. A common conductive layer may be used for either AC neutral or DC power supply return so as to eliminate one conductive layer in the power distribution board. Alternatively, total isolation of AC and DC power source inputs allow both AC and DC power supplies to operate together in a robust, redundant fashion. The DC power supplies in combination with a battery system may be used as an inexpensive uninterruptable power supply for the information handling system. Various DC and/or AC source voltages and frequencies may be coupled to appropriate power supplies through the pin coded connectors.